

CLAIMS

1. A modified enzyme which comprises a catalytically active amino acid sequence deriving from a cellulolytic enzyme EGI exhibiting the following properties :
- (a) derived from *Humicola insolens* or *Trichoderma reesei*,
 - (b) approximate molecular weight of about 50 kDa,
 - (c) iso-electric point of 5.5 and
 - (d) containing 415 amino acid;
- linked to an amino acid sequence comprising a cellulose binding domain.
2. A modified enzyme according to claim 1 wherein the amino acid sequence comprising a cellulose binding domain is selected from the group consisting of CBD CenC, CenA, Cex from *Cellulomonas fimi*, CBD CBHI from *Trichoderma reesei*, CBD Cellulozome from *Clostridium cellulovorans*, CBD E3 from *Thermonospora fusca*, CBD-dimer from *Clostridium stecorarium* XynA, CBD from *Bacillus agaradherens*, CBD family 45 from *Humicola insolens* and/or mixtures thereof.
3. A modified enzyme according to claim 3 wherein the amino acid sequence comprising a cellulose binding domain is selected from CBD family 45 from *Humicola insolens*, CBD CenC from *Cellulomonas fimi* and/or CBD Cellulozome from *Clostridium cellulovorans*.
4. A modified enzyme according to claims 1-3 further comprising a linking region between the catalytically active amino acid sequence of a cellulolytic enzyme EGI and the amino acid sequence comprising a cellulose binding domain.
5. A modified enzyme according to claim 4 wherein the linking region is a amino acid linking region.
6. A modified enzyme according to claim 4 wherein the linking region is a non-amino acid linking region, preferably a polymer selected from PEG(NPC)2, (NH2)2-PEG, t-BOC-NH-PEG-NH2, MAL-PEG-NHS and/or VS-PEG-NHS polymers.

7. A laundry detergent and/or fabric care composition comprising a laundry detergent and/or fabric care ingredient and a modified enzyme according to claims 1-6.
8. A laundry detergent and/or fabric care composition according to claim 7 wherein said modified enzyme is present at a level of from 0.0001% to 2%, preferably from 0.0001% to 0.5%, more preferably from 0.0005% to 0.1% pure modified enzyme by weight of total composition.
9. A laundry detergent and/or fabric care composition according to claims 7-8 further comprising a builder component, preferably a zeolite A and/or sodium tripolyphosphate.
10. A laundry detergent and/or fabric care composition according to claims 7-9 further comprising a smectite clay.
11. A laundry detergent and/or fabric care composition according to claims 7-10 comprising a cationic surfactant.
12. A laundry detergent and/or fabric care composition according to claim 11 wherein the cationic surfactant comprises two long alkyl chain lengths.
13. A laundry detergent and/or fabric care composition according to claims 7-12 further comprising a proteolytic enzyme.
14. A laundry detergent and/or fabric care composition according to claims 7-13 further comprising a bleaching agent.
15. A laundry detergent and/or fabric care composition according to claims 7-14 which is in the form of an additive, a pre-treatment, a post-treatment, a soaking treatment and/or a rinsing treatment composition.
16. A method comprising the step of contacting a fabric with a laundry detergent and/or fabric care composition according to claims 7-15 for fabric cleaning and/or fabric stain removal and/or fabric whiteness maintenance.

17. A method comprising the step of contacting a fabric with a laundry detergent and/or fabric care composition according to claims 7-15 for fabric care, including anti-bobbling, depilling, fabric softness, colour appearance and fabric anti-wear properties and benefits.

Abd

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